# User's Manual

for

# 486DX

# VL- BUS Main Board

WeSpeed YourWorld

# MB 453

## *80486 VL-BUS MAIN BOARD with light green pc*

470-024531990

# USER'S MANUAL

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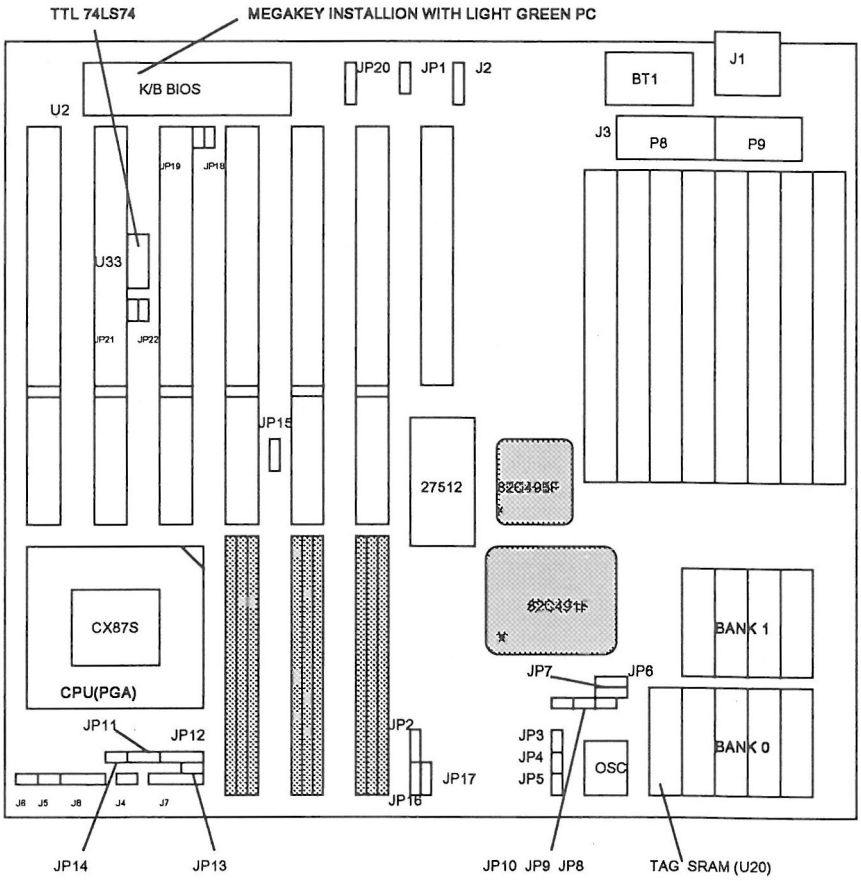
# Chapter 1

## 1-1 SYSTEM BOARD Feature

| | |
|---|---|
| CPU | : 80486DX(PGA)<br>P23(PGA)<br>P23N(PGA)<br>M6(Cyrix,PGA) |
| Co-processor | : Cx87(PQFP) for M6 only |
| Cache memory | : 32KB/64KB/128KB/256KB Selectable |
| Main Memory | : 32MB max on board<br>Using 256K, 1M, 4M SIMM<br>Support 1/2/4/5/8/16/17/20/32 MB memory |
| I/O SLOT | : 6 16-bit and 1 8-bit ISA Slots,<br>3 VL-BUS Slots |
| BIOS | : AMI, Award or other |

# 1-2 System Board Layout



# Chapter 2

## 2-1 Jumper setting and connector

J1 : Keyboard Connector
J2 : External Battery Connector
J3 : Power Connector
J4 : Hardware Reset
J5 : Turbo LED
J6 : Turbo Switch
J7 : Power LED and Key Lock
J8 : Speaker
JP15 : Cx87 Selectable
2-3 Present
1-2 Absent

JP11,JP12: CPU Configuration

| U15(CPU) | JP11 | JP12 |
|---|---|---|
| 486 | 1-2 | 1-2,3-4 |
| P23 | OPEN | 2-3 |
| P23N | 2-3 | 1-2,3-4 |

JP16,JP17 : VESA BUS Jumper
1-2 : Default Setting
2-3 : Delay it for 50MHz

JP13 : VESA BUS Jumper
OPEN : CPU Clock <= 33MHz
CLOSE : CPU Clock > 33MHz

JP1 : Power Good select
1-2 : External Power Good
2-3 : Internal Power Good

JP3,4,5 : CPU Clock select

| | JP3 | JP4 | JP5 |
|---|---|---|---|
| 25MHz | IN | OUT | OUT |
| 33MHz | IN | IN | IN |
| 40MHz | IN | IN | OUT |
| 50MHz | OUT | OUT | IN |

JP19 : Monitor Select
OPEN : Color
CLOSE : Mono

JP20 : Password Clear
OPEN : Normal
CLOSE : Password Clear

# 2-2 DRAM Installation

The memory is capable of supporting a minimum 1 Megabyte of memory up to total 32 megabytes memory. The 256KB /1MB / 4MB SIMM memory are available.

Each bank consists of 4 sockets for SIMMs and the 80ns or faster (Access time) Page mode DRAM is required. There are two bank of memory (Bank0 and Bank1) , but you don't care which one is Bank0 because the BIOS will automatically test which one is Bank0.

Before you even consider altering the memory configuration on your main-board, please read this section as below:

| BANK 0 | BANK 1 | Total Memory |
|---|---|---|
| 256KBx9 | None | 1 MB |
| 256KBx9 | 256KBx9 | 2 MB |
| 1MBx9 | None | 4 MB |
| 1MBx9 | 256KBx9 | 5 MB |
| 1MBx9 | 1MBx9 | 8 MB |
| 4MBx9 | None | 16 MB |
| 4MBx9 | 256KBx9 | 17 MB |
| 4MBx9 | 1MBx9 | 20 MB |
| 4MBx9 | 4MBx9 | 32 MB |

# 2-3 Cache memory Installation

This mainboard supports Cache SRAM configurations: 32KB,64KB,128KB and 256KB.

Before you even consider altering the CACHE memory configuration on your main-board, please read this section as below:

| | CACHE MEMORY SIZE | | | |
|---|---|---|---|---|
| | 32KB | 64KB | 128KB | 256KB |
| DATA RAM | 8K8*4 | 8K8*8 | 32K8*4 | 32K8*8 |
| TAG RAM | 8Kx8 | 8Kx8 | 8Kx8 | 32Kx8 |
| JP6 | 2-3 | 1-2 | 2-3 | 1-2 |
| JP7 | OPEN | OPEN | 2-3 | 1-2 |
| JP8 | OPEN | OPEN | OPEN | CLOSE |
| JP9 | OPEN | OPEN | CLOSE | CLOSE |
| JP10 | OPEN | CLOSE | CLOSE | CLOSE |

# Chapter 3

# BIOS SETUP

When the system is first powered on or reset, the BIOS will display a copyright message on the first line of the screen, then the BIOS will perform the diagnostics and initialization. When all of the above tests have been passed, the message

**"Press [DEL] key to run SETUP utility"**

is displayed. If the [DEL] key is pressed, the screen will be cleared and then the following message will be showed:

| BIOS SETUP PROGRAM-AMI BIOS SETUP UTILITIES<br>(C) 1993 American Megatrends Inc., All Rights Reservied |
|---|
| STANDARD CMOS SETUP<br>ADVANCED CMOS SETUP<br>ADVANCED CHIPSET SETUP<br>POWER MANAGEMENT SETUP<br>AUTO CONFIGURATION WITH BIOS DEFAULTS<br>AUTO CONFIGURATION WITH POWER-ON DEFAULTS<br>CHANGE PASSWORD<br>AUTO DETECT HARD DISK<br>HARD DISK UTILITY<br>WRITE TO CMOS AND EXIT<br>DO NOT WRITE TO CMOS AND EXIT |
| Standard CMOS Setup for Changing Time, Date,Hard Disk Type,etc.<br>Esc : Exit F2/F3 : Color F10 : Save & Exit |

# 3-1 Standard CMOS Setup

AMIBIOS SETUP PROGRAM-STAND CMOS SETUP
(C) 1993 American Megatrends Inc., All right Rights Reserved

Date (mn/date/year) : Tue jan 01 1980 Base Memory : 640 KB
Time (hour/min/sec) : 16 : 45 : 44 Ext. Memory : 3328KB

| | Cyln | Head | WPcom | LZone | Sec | Size |
|---|---|---|---|---|---|---|
| Hard Disk c: Type : Not Installed | | | | | | |
| Hard Disk d: Type : Not Installed | | | | | | |
| Floppy Drive A: : Not Installed | | | | | | |
| Floppy Drive B: : Not Installed | | | | | | |
| Primary Display : VGA/PGA/EGA | | | | | | |
| Keyboard : Installed | | | | | | |

Month : Jan,Feb,..... Dec
Date : 01,02,03,.....31
Year : 1901,1902,. .2099

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| 30 | 31 | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |

The setup program is completely menu-driven:

1. Use arrow keys to select entry : Data, Time, Hard Disk(C/D),Floppy, Display, and keyboard.

2. Use PgUp/PgDn key to modify the option of each entry.

3. Use Esc to exit this screen.

# 3-2 Adavnce CMOS Setup

If you don't really understand the meanings of each item, please don't change the default values. The default setting maybe different from those shown below:

| AMIBIOS SETUP PROGRAM-ADVANCED CMOS SETUP<br>(C)1992 American Megatrends Inc,. All Right Reserved | | | |
|---|---|---|---|
| Typematic Reat Programming | : Enable | BootSector Virus ProTection | : Disable |
| Typematic Reat Delay (msec) | : 500 | CPU Internal Clock Mode | : 1X |
| Typematic Reat (Chars/Sec) | : 30 | IDE Block Mode Transfer | : Disable |
| Above 1MB Memory Test | : Disable | IDE Standy Mode (Min.) | : Disable |
| Memory Test Tick Sound | : Enable | Auto Key-Lock Timeout | : Disable |
| Memory Parity Error Check | : Enable | | |
| Hit <Del> Message Display | : Enable | | |
| Hard Disk Type 47 RAM Area | : 0:300 | | |
| Wait For <F1> If Any Error | : Enable | | |
| System Boot Up Num Lock | : On | | |
| Number Processor Test | : Enable | | |
| Weitek Processor | : Absent | | |
| Floppy Drive Seek At Boot | : Disable | | |
| System Boot Up Sequence | : C: ,A: | | |
| System Boot Up CPU Speed | : High | | |
| External Cache Memory | : Enable | | |
| Internal Cache Memory | : Enable | | |
| Password Checking Option | : Setup | | |

Note :

"IDE Standby Mode (Min)" can be loaded with values from 1 minute to 255 minutes to setup the Hard disk entering power down mode.

# 3-3 Advance Chipset Setup

The advanced chipset setup is entirely chipset specific portion and requires full knowledge about the detail definition of UMC chipset . Each option is tightly corresponding with the hardware structure. Without our engineering change notice,we strongly recommend"don't change any contents in advanced chipset setup menu".

| | | | |
|---|---|---|---|
| AUTO Config Function | : Enabled | Memory Remapping | : Enabled |
| Cache Read Option | : 3-2-2-2 | F Segment Shadow RAM | : Cached |
| Cache write Option | : 2 W.S. | E Segment Shadow RAM | : Disable |
| DRAM Type | : PageMode | C000-C3FF shadow RAM | : Cached |
| DRAM Wait State(s) | : 2 W.S. | C400-C7FF shadow RAM | : Cached |
| Keyboard clock Select | : CPUCLK/5 | C800-CBFF shadow RAM | : Disable |
| AT Clock Select | : CPUCLK/5 | CC00-CFFF shadow RAM | : Disable |
| IO Recover Time | : 7/3 BCLK | D000-D3FF shadow RAM | : Disable |
| Hold PD Bus | : 2~3T | D400-D7FF shadow RAM | : Disable |
| Refresh Cycle | : Slow | D800-DBFF shadow RAM | : Disable |
| CoProcessor Ready | : Delay 1T | DC00-DFFF shadow RAM | : Disable |
| Check ELBA# Signal | : in T2 | Refresh Divider | : 1 |
| Non-Cacheable Block1 Enable | : Disabled | Data Location of Local Bus | : ISA BUS |
| Non-Cacheable Block-1 Size | : 4MB | LOWA20#,RC Emulation | : None |
| Non-Cacheable Block-1 Base | : 0KB | Stretch 0WS# Signal Option | : Do Not |
| Non-Cacheable Block2 Enable | : Disabled | | |
| Non-Cacheable Block-2 Size | : 16MB | | |
| Non-Cacheable Block-2 Base | : 0 KB | | |

Esc:Exit ↓→↑←:Sel (Ctrl)Pu/Pd:Modify F1:Help F2/F3:Color

F5:Old Values F6:BIOS Setup Defaults F7:Power-On Defaults

# 3-4 Power Management Setup

The programmable timers for sequencing of power to system, but the AMI "MEGAKEY" (U2) and TTL 74LS74 (U33) must be installed.

The timers can be loaded with values from 1 minute to 255 minutes. This mode can be extended to external devices. The Standby Mode power savings options are:

. Down CPU Clock to 8 MHz
. Remove the sync signals from the video monitor
(this option requires an intelligent monitor that support standby Mode)

Please don't down CPU clock when system processing any information, such as : formatting diskette

| AMIBIOS SETUP PROGRAM - POWER MANAGEMENT SETUP<br>(C)1993 American Megatrends Inc., All Right Reserved | |
|---|---|
| PC GREEN MODE:2 : Disable | |

## Wake up the system:

. If the system PASSWORD had not been set up, pressing any key or moving Mouse to Wake up the system.

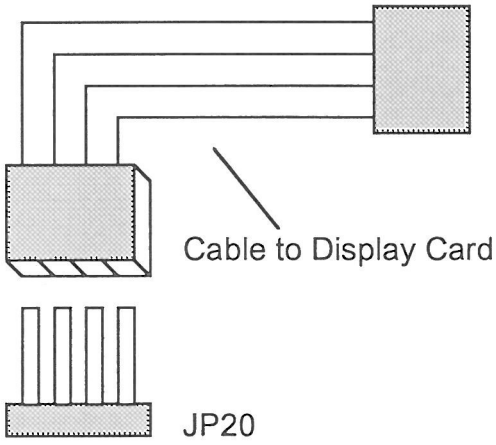
. If the system PASSWORD had been set up, moving mouse to Wake up the system but keyboard can not input data until type the PASSWORD first. [ Type PASSWORD also Wake up the system when Mouse is not being used. ]

. If the system PASSWORD had been setup and when the system is entering power down mode, the LEDs on Keyboard will "blinking" until your type the PASSWORD.

## 3-5 Power Management Jumper Setting

**NOTE :** FOR AMI BIOS ONLY

JP20 : Display card power management
Pin 1 : V-sync
Pin 2 : H-sync
Pin 3 : sync enable
Pin 4 : general purpose I/O




JP21 : IRQ 3,5 power management select
1-2 short : IRQ 3
2-3 short : IRQ 5

JP22 : IRQ 4,7 power management select
1-2 short : IRQ 4
2-3 short : IRQ 7

# 3-6 Standard type of hard disk

| Type | Cyln | Heads | W-Pcomp | L-Zone | Sect | Capacity |
|---|---|---|---|---|---|---|
| 1 | 306 | 4 | 128 | 305 | 17 | 10MB |
| 2 | 615 | 4 | 300 | 615 | 17 | 21MB |
| 3 | 615 | 6 | 300 | 615 | 17 | 31MB |
| 4 | 940 | 8 | 512 | 940 | 17 | 62MB |
| 5 | 940 | 6 | 512 | 940 | 17 | 47MB |
| 6 | 615 | 4 | 65535 | 615 | 17 | 20MB |
| 7 | 930 | 15 | 0000 | 000 | 17 | 116MB |
| 8 | 936 | 16 | 0000 | 000 | 17 | 124MB |
| 9 | 900 | 15 | 65535 | 901 | 17 | 112MB |
| 10 | 820 | 3 | 65535 | 820 | 17 | 20MB |
| 11 | 855 | 5 | 65535 | 855 | 17 | 35MB |
| 12 | 855 | 7 | 65535 | 855 | 17 | 50MB |
| 13 | 306 | 8 | 128 | 319 | 17 | 20MB |
| 14 | 733 | 7 | 65535 | 733 | 17 | 43MB |
| 15 | 000 | 0 | 0000 | 000 | 17 | 00MB |
| 16 | 612 | 4 | 0000 | 663 | 17 | 20MB |
| 17 | 977 | 5 | 300 | 977 | 17 | 41MB |
| 18 | 977 | 7 | 65535 | 977 | 17 | 57MB |
| 19 | 1024 | 7 | 512 | 1023 | 17 | 60MB |
| 20 | 733 | 5 | 300 | 732 | 17 | 30MB |
| 21 | 733 | 7 | 300 | 732 | 17 | 43MB |
| 22 | 733 | 5 | 300 | 733 | 17 | 30MB |
| 23 | 306 | 4 | 0000 | 336 | 17 | 10MB |
| 24 | 925 | 7 | 0000 | 925 | 17 | 54MB |
| 25 | 925 | 9 | 65535 | 925 | 17 | 69MB |
| 26 | 754 | 7 | 754 | 754 | 17 | 44MB |
| 27 | 754 | 11 | 65535 | 754 | 17 | 69MB |
| 28 | 699 | 7 | 256 | 699 | 17 | 41MB |
| 29 | 823 | 10 | 65535 | 823 | 17 | 68MB |
| 30 | 918 | 7 | 918 | 918 | 17 | 53MB |
| 31 | 1024 | 11 | 65535 | 1024 | 17 | 94MB |
| 32 | 1024 | 15 | 65535 | 1024 | 17 | 128MB |
| 33 | 1024 | 5 | 1024 | 1024 | 17 | 43MB |
| 34 | 612 | 2 | 128 | 612 | 17 | 10MB |
| 35 | 1024 | 9 | 65535 | 1024 | 17 | 77MB |
| 36 | 1024 | 8 | 512 | 1024 | 17 | 68MB |
| 37 | 615 | 8 | 128 | 615 | 17 | 41MB |
| 38 | 987 | 3 | 987 | 987 | 17 | 25MB |
| 39 | 987 | 7 | 987 | 987 | 17 | 57MB |
| 40 | 820 | 6 | 820 | 820 | 17 | 41MB |
| 41 | 977 | 5 | 977 | 977 | 17 | 41MB |
| 42 | 981 | 5 | 981 | 981 | 17 | 41MB |
| 43 | 830 | 7 | 512 | 830 | 17 | 48MB |
| 44 | 830 | 10 | 65535 | 830 | 17 | 69MB |
| 45 | 917 | 15 | 65535 | 918 | 17 | 114MB |
| 46 | 1224 | 15 | 65535 | 1223 | 17 | 152MB |

# Chapter 4

# AWARD BIOS SETUP

When the system is first powered on or reset, the BIOS will display a copyright message on the first line of the screen, then the BIOS will perform the diagnostics and initialization. When all of the above tests have been passed, the message

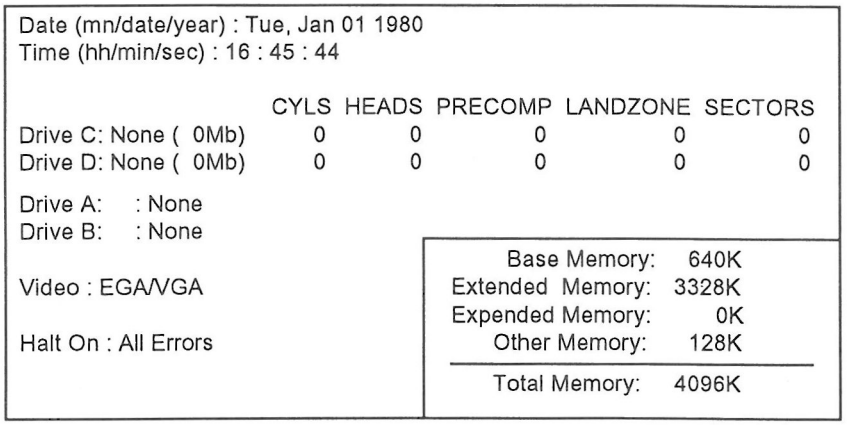
**"Press DEL to enter SETUP, ESC to skip memory test"**

is displayed. If the [DEL] key or [ctrl-alt-esc] is pressed, the screen will be cleared and then the following message will be showed:

ROM ISA BIOS (XXXXXXXX)
CMOS SETUP UTILITY
AWARD SOFTWARE. INC.

| | |
|---|---|
| STANDARD CMOS SETUP | PASSWORD SETTING |
| BIOS FEATURES SETUP | IDE HDD AUTO DETECTION |
| CHIPSET FEATURES SETUP | SAVE & EXIT SETUP |
| POWER MANAGEMENT SETUP | EXIT WITHOUT SAVING |
| LOAD BIOS DEFAULTS | |
| LOAD SETUP DEFAULTS | |

# 4-1 Standard CMOS Setup


Date (mn/date/year) : Tue, Jan 01 1980
Time (hh/min/sec) : 16 : 45 : 44
CYLS HEADS PRECOMP LANDZONE SECTORS
Drive C: None ( 0Mb) 0 0 0 0 0
Drive D: None ( 0Mb) 0 0 0 0 0
Drive A: : None
Drive B: : None
Video : EGA/VGA
Halt On : All Errors
Base Memory: 640K
Extended Memory: 3328K
Expended Memory: 0K
Other Memory: 128K
Total Memory: 4096K

The setup program is completely menu-driven:

1. Use arrow keys to select entry : Data, Time, Hard Disk(C/D),Floppy, and Display.

2. Use PgUp/PgDn key to modify the option of each entry.

3. Use Esc to exit this screen.

# 4-2 BIOS Feature Setup

If you don't really understand the meanings of each item, please don't change the default values. The default setting maybe different from those shown below:

ROM ISA BIOS (XXXXXXXX)
BIOS FEATURES SETUP
AWARD SOFTWARE, INC.

| | | | |
|---|---|---|---|
| Typematic Reat Setting | : Disabled | System BIOS Shadow | : Enabled |
| Typematic Reat (Msec) | : 250 | Video BIOS Shadow | : Enabled |
| Typematic Reat (Chars/Sec) | : 6 | C8000-CBFFF Shadow | : Disabled |
| Security Option | : Setup | CC000-C7FFF Shadow | : Disabled |
| Memory Parity Check | : Enabled | D0000-D3FFF Shadow | : Disabled |
| Quick Power on Seft Test | : Enabled | D4000-D7FFF Shadow | : Disabled |
| Boot Up NumLock Status | : On | D8000-DBFFF Shadow | : Disabled |
| Boot Up System Speed | : High | DC000-DFFFF Shadow | : Disabled |
| Boot Up Floppy Seek | : Disabled | E0000-E3FFF Shadow | : Disabled |
| Boot Sequence | : A, C | E4000-E7FFF Shadow | : Disabled |
| CPU Internal Cache | : Enabled | E8000-EBFFF Shadow | : Disabled |
| Gate A20 Option | : Fast | EC000-EFFFF Shadow | : Disabled |
| External Cache | : Enabled | | |

# 4-3 Chipset Features Setup

The Chipset Features Setupis entirely chipset specific portion and requires full knowledge about the detail definition of UMC chipset . Each option is tightly corresponding with the hardware structure. Without our engineering change notice,we strongly recommend"don't change any contents in advanced chipset setup menu".

ROM ISA BIOS (XXXXXXXX)
CHIPSET FEATURES SETUP
AWARD SOFTWARE, INC.

| | | | |
|---|---|---|---|
| Auto Configuration | : Enabled | LOWA20# Emulation | : Disabled |
| Cache Read Burst | : 3-2-2-2 | RC Reset Emulation | : Disabled |
| Cache Write Wait State | : 1WS | System BIOS Cacheable | : Disabled |
| DRAM Type | : Normal Page | Video BIOS Cacheable | : Disabled |
| DRAM Wait State | : 2 WS | Non-Cacheable Block 1 | : Disabled |
| Keyboard Clock | : 9.5 MHz | Block 1 Start Address | : 0K |
| AT Clock | : CPUCLK/6 | Block 1 Size Address | : 16K |
| IO Recovery For ISA/PCB | : BCLK: 9/3 | | |
| DMA/Master Cycle | : HOLD 2-3T | | |
| Slow Refresh | : Disabled | | |
| Memory Remap | : Disabled | | |

# 4-4 Power Management Setup

The Standby Mode power savings options are:

. HDD Standby Timer :
The Hard disk entering power down mode.
. Display Power Down :
The display screen will be closed.
. System Slow Down :
Down CPU Clock to 8 MHz

ROM ISA BIOS (XXXXXXXX)
POWER MANAGEMENTSETUP
AWARD SOFTWARE, INC.

| | | |
|---|---|---|
| POWER MANAGEMENT | : Disabled | |
| HDD Standby Timer | : Disabled | |
| Display Power Down | : Disabled | |
| System Slow Down | : Disabled | |

**POWER MANAGEMENT Timer Selection :**

Disabled : All function disabled

Min Power saving :

HDD Standby Timer : 15 Min
Display Power Down : 15 Min
System Power Down : 55 Sec

Max Power saving :

HDD Standby Timer : 1 Min
Display Power Down : 1 Min
System Power Down : 10 Sec

User Defined :

HDD Standby Timer : Disabled-15 Min
Display Power Down : Disabled-15 Min
System Power Down : Disabled-55 Sec

## Wake up the system:

Pressing any key or moving Mouse to Wake up the system.

# 4-5 Standard type of hard disk

| Type | Size | Cylinders | Heads | Sec | W-Pcomp | L-Zone |
|---|---|---|---|---|---|---|
| 1 | 10MB | 306 | 4 | 17 | 128 | 305 |
| 2 | 20MB | 615 | 4 | 17 | 300 | 615 |
| 3 | 30MB | 615 | 6 | 17 | 300 | 615 |
| 4 | 62MB | 940 | 8 | 17 | 512 | 940 |
| 5 | 46MB | 940 | 6 | 17 | 512 | 940 |
| 6 | 20MB | 615 | 4 | 17 | None | 615 |
| 7 | 30MB | 462 | 8 | 17 | 256 | 511 |
| 8 | 30MB | 733 | 5 | 17 | None | 733 |
| 9 | 112MB | 900 | 15 | 17 | None | 901 |
| 10 | 20MB | 820 | 3 | 17 | None | 820 |
| 11 | 35MB | 855 | 5 | 17 | None | 855 |
| 12 | 49MB | 855 | 7 | 17 | None | 855 |
| 13 | 20MB | 306 | 8 | 17 | 128 | 319 |
| 14 | 42MB | 733 | 7 | 17 | None | 733 |
| 15 | Reserved | | | | | |
| 16 | 20MB | 612 | 4 | 17 | 0 | 663 |
| 17 | 40MB | 977 | 5 | 17 | 300 | 977 |
| 18 | 56MB | 977 | 7 | 17 | None | 977 |
| 19 | 59MB | 1024 | 7 | 17 | 512 | 1023 |
| 20 | 30MB | 733 | 5 | 17 | 300 | 732 |
| 21 | 42MB | 733 | 7 | 17 | 300 | 732 |
| 22 | 30MB | 306 | 5 | 17 | 300 | 733 |
| 23 | 10MB | 977 | 4 | 17 | 0 | 336 |
| 24 | 40MB | 1024 | 5 | 17 | None | 976 |
| 25 | 76MB | 1224 | 9 | 17 | None | 1023 |
| 26 | 71MB | 1224 | 7 | 17 | None | 1223 |
| 27 | 111MB | 1224 | 11 | 17 | None | 1223 |
| 28 | 152MB | 1024 | 15 | 17 | None | 1223 |
| 29 | 68MB | 1024 | 8 | 17 | None | 1023 |
| 30 | 93MB | 918 | 11 | 17 | None | 1023 |
| 31 | 83MB | 925 | 11 | 17 | None | 1023 |
| 32 | 69MB | 1024 | 9 | 17 | None | 926 |
| 33 | 85MB | 1024 | 10 | 17 | None | 1023 |
| 34 | 102MB | 1024 | 12 | 17 | None | 1023 |
| 35 | 110MB | 1024 | 13 | 17 | None | 1023 |
| 36 | 119MB | 1024 | 14 | 17 | None | 1023 |
| 37 | 17MB | 1024 | 2 | 17 | None | 1023 |
| 38 | 136MB | 1024 | 16 | 17 | None | 1023 |
| 39 | 114MB | 918 | 15 | 17 | None | 1023 |
| 40 | 40MB | 820 | 6 | 17 | None | 1023 |
| 41 | 42MB | 1024 | 5 | 17 | None | 1023 |
| 42 | 65MB | 1024 | 5 | 26 | None | 1023 |
| 43 | 40MB | 809 | 6 | 17 | None | 852 |
| 44 | 61MB | 809 | 6 | 26 | None | 852 |
| 45 | 100MB | 776 | 8 | 33 | None | 775 |
| 46 | 203MB | 684 | 16 | 38 | None | 685 |
| USER | | | | | | |